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A context-based object-oriented application framework for discrete event ...

JT Lin, KC Yeh, LC Sheu - Computers & Industrial Engineering, 1996 - Elsevier

... 7. Class hierarchy of CSIMT+ +. Contextbased objectoriented application framework Declaration I DefinitionMMs Queue, Server, ... IIII CSIMTPPEVENT call IIII Everd Handler 1 I Event Handler 2 ARVL II ENOSV I ... 8. The structure of a single context simulation model. ...

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... for parallel processing of events within multiple event contexts maintaining ordered ...

A Kumar, PR Chandra - US Patent App. 10/718,497, 2003 - Google Patents ... Typically, incoming data packets are entered into a dynamic random access memory (DRAM) 38 in communication with the network ... A FIFO event queue 36 is associated with the execution context to temporarily store the events (packets) for that event context (for the ...

All 2 versions

[PDF] ASX: an object-oriented framework for developing distributed applications

DC Schmidt - Proceedings of the, 1994 - Citeseer

... Instead, it is invoked by a sepa- rate thread associated with its Task. This thread provides an execution context and thread of control for the Task's svc method. This method runs an event loop that continu- ously waits for messages to arrive on the Task's Message Queue. ...

Cited by 245 - Related articles - View as HTML - All 28 versions

Interaction points: exploiting operating system mechanisms for inter-component ...

DG Waddington, R Viswanathan - ACM SIGOPS Operating ..., 2002 - portal.acm.org ... After the transfer, an event is set that is used to wake up a worker thread which then completes the processing, outside of the interrupt context. ... The worker thread completes the processing by adding the new packet to the appropriate queue via an invocation on zeue, provided ...

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On the dynamic semantics and the timing behavior of ravenscar kernels

T Vardanega, J Zamorano, JA De La Puente - Real-Time Systems, 2005 - Springer

... Signal transfers the current queue of waiters from the Wait queue, excluding the head element, to the Signaled queue and performs a direct context switch to the ... The Profile requires that no more than one event-triggered task can be on any protected object entry queue. ...

Cited by 19 - Related articles - BL Direct - All 5 versions

psu.edu [PDF]

unipd.it [PDF]

System test synthesis from UML models of distributed software

S Pickin, C Jard, Y Le Traon, T Jéron, JM ... - Lecture Notes in ..., 2002 - Springer

... This subtype has the same interface (signature) as the **context**: this interface comprises one operation for each ... by an external actor from any system object, the external actor input **queue** is considered ... diagrams but with a semantics in terms of partial orders of **events** rather than ...

Cited by 31 - Related articles - BL Direct - All 12 versions

An object-oriented framework for dynamically configuring extensible distributed ...

DC Schmidt, T Suda - Distributed Systems Engineering, 1994 - iop.org

... The ASX framework allows the choice between static and **dynamic** configuration to be ... connection requests and application data) onto pre-registered application-specified **event** handlers. ... such as memory-to-memory copying and data manipulation, **context** switching, scheduling ...

Cited by 100 - Related articles - All 16 versions

A KPN Based Cooperative Composition Model of Services

X Zhang, W Zhang, J Shi - Lecture notes in computer science, 2005 - Springer ... repository to service container dynami- cally via scheduling **events** of service control **queue** in the ... The main lifecycle man- agement **events** invoked by service container are init(), service() and stop(). ... papers/eepn.pdf 8. Hylke W. van Dijk, Henk J. Sips, **Context**-Aware Process ... Cited by 4 - Related articles - BL Direct - All 3 versions

Policy-driven data dissemination for context-aware applications

G Chen, D Kotz - Proceedings of 3rd IEEE ..., 2005 - doi.ieeecomputersociety.org ... vides quantitative feedback when dropping data while PACK allows explicit summarization of dropped **events**. ... We present a novel approach to solve the **queue** overflow problem using application ... poli- cies, taking advantage of the observation that many **context**-aware pervasive ... Cited by 7 - Related articles - All 17 versions

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R Viswanathan - Citeseer

... After the transfer, an **event** is set that is used to wake up a worker thread which then completes the processing, outside of the interrupt **context**. ... The worker thread completes the processing by adding the new packet to the appropriate **queue** via an invocation on zeue, provided ... View as HTML - All 4 versions

A generic embedded real-time monitor subsystem

R Ford - Proceedings of the 1990 ACM annual conference on ..., 1990 - portal.acm.org ... These attributes and the contents of the **event queue** are used by an instance of GERTMs, so ... cessed in the **context** of information from the Program- ming Support Environment (eg, program symbol ta ... the Binder to activate a spe- cific primitive check on the target **event** sequence. ... Cited by 4 - Related articles - All 3 versions

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of Services

AKPNBCC Model - Grid and cooperative computing: GCC 2005 ..., 2005 - books.google.com ... repository to service container dynami- cally via scheduling **events** of service control **queue** in the ... The main lifecycle man- agement **events** invoked by service container are initQ, serviceQ and stopQ. ... pdf 8. Hylke W. van Dijk, Henk J. Sips, **Context**-Aware Process Networks, http ... Related articles

TOSSIM: Accurate and scalable simulation of entire TinyOS applications

P Levis, N Lee, M Welsh, D Culler - Proceedings of the 1st ..., 2003 - portal.acm.org ... obtain a scale, fidelity, and completeness that would be intractable in a general purpose **context**. ... The TinyOS task scheduler uses a non-preemptive, **FIFO** scheduling policy ... for compiling TinyOS component graphs into the simulation infrastructure, a discrete **event queue**, a small ... Cited by 982 - Related articles - All 57 versions

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[PDF] MANETKit: Supporting the Dynamic Deployment and Reconfiguration of Ad-...

R Ramdhany, P Grace, G Coulson, D Hutchison - comp.lancs.ac.uk ... eg IP forwarding, ICMP redirects) and provide access to system-oriented **context** information to ... the ManetProtocol instance instantiates its own dedicated thread and an associated **FIFO queue** in which ... A thread passing an **event** from a ManetProtocol instance in the layer below ... Related articles - View as HTML

lancs.ac.uk [PDF]

Valentine: A Dynamic and Adaptive Operating System for Wireless Sensor ...

N Hoang, N Belloir, CD Pham, S ... - Proceedings of the ..., 2008 - doi.ieeecomputersociety.org ... This evolution takes place within the **context** of the pervasive computing, more known under the name of ubiquitous computing ... The first of them is the **event**-driven execution model ... TinyOS uses a **FIFO queue**: (i) it is a simple algorithm to implement; (ii) activity time of a mote have ... Related articles - All 3 versions

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[PDF] The design and performance of a real-time notification service

P Gore, DC Schmidt, C Gill, I Pyarali - Proceedings of the 10th IEEE Real- ..., 2004 - Citeseer ... Dispatching component, which consists of a buffer queue that provides support for the Order and Discarding Policy QoS properties. ... 3.4 Optimizing Event Processing Context: During the processing of events within an event channel, the event type of the incoming ... Cited by 24 - Related articles - View as HTML - All 7 versions

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[PDF] Model checking dynamic and hierarchical UML state machines

T Jussila, J Dubrovin, T Junttila, T Latvala, I Porres - ..., Validation and Verification. - Citeseer ... Otherwise, an **event** occurrence is removed from the input **queue** and a prioritized enabled transition is ... If no such transition exists and the **event** is not deferrable, the **event** occurrence is ... of the transition t. –evalguard (obj, t, params) evaluates guard (t) in the **context** of object obj ... Cited by 14 - Related articles - View as HTML - All 9 versions

Automated program recognition by graph parsing

mit.edu [PS]

LM Wills - 1992 - dspace.mit.edu

... 5.2.3 Expressing Clichés with Loose Constraints 179 5.2.4 Enqueuing New Messages and Events 183 5.2 ... Examples of data-structure clichés are sorted fist, priority queue, and hash table. ... parsing approach to program recognition to determine how it would fit into the context of a ...

<u>Cited by 147</u> - <u>Related articles</u> - <u>All 7 versions</u>

Context flow: An alternative to conventional pipelined architectures

NP Topham, A Omondi, RN lbbett - The Journal of Supercomputing, 1988 - Springer ... are possible, but the only sensible scheme is to forward incoming contexts on a (**FIFO**) basis. ... T and B node may hold a single **context**, but M nodes may **queue** contexts for ... us, the compaction of instructions into a narrow format reduces the size of each **dynamic context** within the ... Cited by 9 - Related articles - All 3 versions

State machine based operating system architecture for wireless sensor networks

TH Kim, S Hong - Parallel and Distributed Computing: Applications and ..., 2004 - Springer ... Since the precise delivery of real-time data on the spot is an essential basis for constructing a context-aware computing platform, the recent ad- vancement of low-cost sensor node provides an important ... The Kernel continuously checks the event queue for event arrivals; if ... Cited by 5 - Related articles - All 6 versions

snu.ac.kr [PDF]

[PDF] E. Patouni, N. Alonistioti, P. Magdalinos

I Campus, G Athens - Citeseer

... The communication between the individual modules is achieved using **event** routing between static ... In this **context**, it should be possible to dynamically compose the protocol components so ... In particular, the Manager creates a **FIFO queue** for each pair of components that should ... Related articles - View as HTML - All 3 versions

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[PDF] Constant Execution Time Recording for Replay of Sporadic Real-Time ...

J Huselius, H Thane - 2004 - Citeseer

... Each **event** observed by a probe results in an entry that is logged in memory in one or ... The LFIFO logging algorithm requires some pa- rameterization regarding individual **queue**-lengths, both for checkpoints and for control ... In the **context** of sporadic real-time systems, we have: ... Related articles - View as HTML - All 4 versions

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[PDF] Formal models for embedded system design

M Sgroi, L Lavagno, A Sangiovanni- ... - IEEE Design & Test of ..., 2000 - Citeseer ... is not specified in uninter- preted Petri nets (PNs) and is represented by only named transitions ... underlying the SDL language are also asynchronous, but communicate via a single unbounded **FIFO queue** for each ... Let i j i indicate the **event** that at a certain instant occupies the jth ... Cited by 86 - Related articles - View as HTML - BL Direct - All 18 versions

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Pcc: A modeling technique for mixed control/data flow systems

T Grijtker, R Schoenen, H Meyr - doi.ieeecomputersociety.org

... cycle ba- sed technique has proven being quite inefficient when it comes to modeling multi rate

http://scholar.google.com/scholar?hl=en&num=100&q=queue+and+event+and+event+and+dynamic+and+bind+and+fifo&btnG=Search&as sdt=2000&as ylo=&as vis=0 (4 of 17)1/12/2010 11:46:51 PM

dynamic data flow ... at the system le- vel, and to keep functional models free from informa- tion on the **context** of their ... An **event queue** may be annotated an integer num- ber of cuts (cp. ... Cited by 21 - Related articles - All 5 versions

A formal structure for discrete event simulation. Part II: Object-oriented software ...

SC Karacal, JH Mize - IIE transactions, 1998 - Springer

... ShopCntrl and WorkCenterCntrl reimplement some of the methods defined in their superclass within the **context** of their ... Formal structure for discrete **event** simulation: Part II 223 ... d Declare the file names and paths for printing the standard reports on utilization, **queue**, and order ...

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[РS] ЧЫ Ц ЧШЦ ЧХШЧЦЦЬЙЫ Ъ РСЬЬЭЪ ЧЪ

СЫСХЭФЬСЧШ - hal.archives-ouvertes.fr

... It is worth, stressing that in the **context** of simulation modeling, the isolation, ... implementations may be replaced (rewritten) independently. **Dynamic** structure of models\cite{Bar97} may be implemented using the, ... By default, active component each have a unique **event queue** of, ... Related articles - View as HTML - All 2 versions

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[PDF] Scalable high-performance event filtering for dynamic multi-point ...

DC Schmidt - Proceedings of the - Citeseer

... in **FIFO** order at the end of device driver input **queues**, regard- less ... DMP application performance and scalabil- ity, we are exploringoptimizationtechniques to reduce **event** filtering overhead. ... trie-based search structures, and compiler technology based on **context**-free grammars ... Cited by 4 - Related articles - View as HTML - All 19 versions

psu.edu [PDF]

[PDF] Constructing adaptive software in distributed systems

WK Chen, M Hiltunen, R Schlichting - International Conference on ..., 2001 - Citeseer ... shared within a given composite protocol and a message ab- straction that provides for a **dynamic** set of ... Activation involves three steps, each of which changes **event** handler bindings ... may pass a **queue** of messages that were waiting to be trans- mitted; these messages must be ... Cited by 112 - Related articles - View as HTML - BL Direct - All 17 versions

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[PDF] The adaptive communication environment

DC Schmidt - Proc. 11th Sun User Group Conf, 1993 - Citeseer

... When combined with OO language features (such as clases, inheritance, **dynamic binding**, and parameterized types ... In the code below, a subclass derived from ACE **Event** Handler is parameterized ... mechanisms (such as the peer-to-peer nature of Message **Queues**, the efficient ... Cited by 40 - Related articles - View as HTML - All 26 versions

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[PDF] Design and implementation of a large-scale context fusion network

G Chen, M Li, D Kotz - First Annual International Conference on Mobile ..., 2004 - Citeseer

... To cope with the **dynamics** of a ubicomp environ- ment, Solar exposes two interfaces ... for composers (typically applications) to specify op- erator graphs, identifying **context**-fusion operators ... queries

while the data-reduction policy states how to drop or summarize an event queue. ...

Cited by 84 - Related articles - View as HTML - All 21 versions

The architecture of the READY event notification service

RE Gruber, B Krishnamurthy, E ... - Proceedings of the ..., 1999 - doi.ieeecomputersociety.org ... children. **Context** information represents information that ... implemented. The implementation of global ordering of **event** timestamps is done by placing matched **events** in a **queue** that is ordered by the lowest **event** timestamp. Notifications ... Cited by 111 - Related articles - All 7 versions

psu.edu [PDF]

On mobility extensions of UML statecharts. A pragmatic approach

D Latella, M Massink - Lecture notes in computer science, 2003 - Springer ... of E. We let E[(q, e)] denote the multi-queue equal to E except that on queue (named) q of ... n)] where $E[\cdot]$ Δ = E. 4 Notice that in this paper we use a syntax for **event** sending (namely ... 5 This is a similar situation as in the π – calculus [11], although in a completely different **context**. ... Cited by 2 - Related articles - BL Direct - All 9 versions

cnr.it [PDF]

[CITATION] Discrete-Event Simulation in an Extended Actor Context

ASG Lapalme, P Salle - Progress in simulation, 1992 - Ablex Publishing Corporation Related articles

[HTML] A dynamic operating system for sensor nodes

CC Han, R Kumar, R Shea, E Kohler, M Srivastava - usenix.org
... By adopting an **event** driven architecture, SOS is able to support a comparable amount of concurrency without the **context** switching overhead of MANTIS. ... int8_t post_long(sos_pid_t did, sos_pid_t sid,, Place a message on the **queue** to call function `type'. ...
Cited by 282 - Related articles - Cached - All 36 versions

usenix.org [HTML]

A network communication protocol for distributed virtual environment systems

GD Kessler, LF Hodges - Proceedings of VRAIS'96, 1996 - doi.ieeecomputersociety.org
... When pro- cessing events, a task often needs the context, or state, at the time of the ... implementation
of updatable queue pairs, which we have named the Inter- Process Queue (IPQ) library. ... In addition,
a task can read the latest command, event, or state update without waiting, if ...
Cited by 34 - Related articles - All 21 versions

psu.edu [PDF]

Reflections on aspects and configurable protocols

M Hiltunen, F Taïani, R Schlichting - Proceedings of the 5th ..., 2006 - portal.acm.org ... we used deadline-based non-preemptive scheduling imple- mented by an **event queue** and a ... When an **event** is raised, the **event** handler gets two sets of arguments: static ... tional attributes to the impacted objects (assuming an OO environment), and using **context** information to ... Cited by 15 - Related articles - All 10 versions

psu.edu [PDF]

Practical, Fast and Simple Concurrent FIFO Queues Using Single Word ...

C Eveuoz - Lecture Notes in Computer Science, 2008 - Springer

... The ABA problem is a well-known problem in the **context** of data structures imple- mented by CAS ... In other words, the enqueue **events** appear to be sequential. ... space requirements and the need for advance knowledge of the number of threads that will access the **queue**. ...

Related articles - All 3 versions

[PDF] On the fly model checking of communicating UML State Machines

S Gnesi, F Mazzanti - Second ACIS International Conference on Software ..., 2004 - Citeseer

... Initial default transitions are requied not to have actions; static and dynamic choice transitions

are ... as shown by the following simplified schema (E: Env represents the "current context" in which

a ... node (its active, states, the values or its variables, the content of the events queue). ...

Cited by 27 - Related articles - View as HTML - All 15 versions

An object oriented approach to simulating large communication networks

AR Mikler, JSK Wong, V Honavar - The Journal of Systems & Software, 1998 - Elsevier ... In the **context** of our research, we assume linkspecific parameters, such as bandwidth, to be uniform throughout the ... a service function, and a message generator (see Figure 2). Arriving messages are added to the **queue** and upon invocation by the **event** dispatcher, the ... Cited by 22 - Related articles - All 13 versions

[PDF] A family of design patterns for application-level gateways

Cited by 65 - Related articles - View as HTML - All 26 versions

DC Schmidt - Theory and Practice of Object Systems, 1996 - Citeseer ... The design forces that motivate and shape the pattern; The solution to these forces; The related classes and their roles in the solution; The responsibilities and **dynamic** collaborations among classes ... OS **EVENT** DEMULTIPLEXING INTERFACE :Timer **Queue** : Signal Handlers ...

Synthesis and simulation of digital systems containing interacting hardware and ...

RK Gupta, CN Coelho Jr, G De Micheli - Proceedings of the 29th ..., 1992 - portal.acm.org ... for a such a scheduler on 8086 processor takes 103 cycles for each **context** switch. ... design refers to constraints on system design that ensure the partial ordering of **events** and operation ... culminate in control transfer) are well suited to be implemented as a **queue** connected with ... Cited by 168 - Related articles - All 9 versions

Discrete-Event Simulation in an Extended Actor Context

P Salle - Progress in Simulation, 1994 - books.google.com ... Page 289. Discrete-**Event** Simulation in an Extended Actor **Context** 281 **Queue** is a specialized actor that places the current process into a waiting line. **Queue** actors' competence also includes a statistics collection. 3.3. ... Related articles

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G Coulson - IEEE Multimedia, 1999 - Citeseer

... To prevent this potential pathology, a test-and-set instruction is used by the context switch code

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to read ... One prominent user of the **event** handling framework is the timer implementation code ... This multiplexes virtual timers, using a delta **queue** scheme, on top of (assuming a UNIX ... Cited by 40 - Related articles - View as HTML - BL Direct - All 17 versions

MPICH-V: Toward a scalable fault tolerant MPI for volatile nodes

G Bosilca, F Cappello, G Fedak, T Herault, ... - Proceedings of the ..., 2002 - portal.acm.org ... Thus, the whole **context** of a parallel execution is saved and stored in a distributed way. ... situations a) and b) is the lack of a total order over the communications **events** of different re ... tions, the CM manages two types of **queues**: a common **queue** for all control messages, and one ... Cited by 203 - Related articles - All 28 versions

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[PDF] A framework for dynamic SLA-based QoS control for UMTS

R Chakravorty, I Pratt, J Crowcroft, M D' ... - IEEE Wireless ..., 2003 - Citeseer ... The Resource Manager schedules packets, and performs bandwidth and **queue** management functions. ... They show that by suitably sharing the **events** between a PEP and PDP using ... The framework makes use of **dynamic** QoS arbitration, by using PDP **context** Activation/Modify ... Cited by 23 - Related articles - View as HTML - BL Direct - All 16 versions

psu.edu [PDF]

Hybrid system dynamic-discrete event simulation-based architecture for ...

J Venkateswaran, YJ Son - International Journal of Production ..., 2005 - ingentaconnect.com ... In the **context** of manufacturing enterprise, two types of distributed decision-making are ... of component parts whose flow through the shop is governed by **queue** rules or ... information models for enabling distributed simulation of multiple discrete **event** simulation models, each ... Cited by 12 - Related articles - BL Direct - All 8 versions

arizona.edu [PDF]

[PDF] Resource containers: A new facility for resource management in server ...

G Banga, P Druschel, JC Mogul - Operating Systems Review, 1998 - Citeseer ... As discussed in Section 3, most current systems do protocol process- ing in the **context** of a ... Next, consider an **event**-driven server, on a uniproces- sor, using a single kernel thread to handle ... Both kinds of servers, when handling a request for a **dynamic** (CGI) document, pass the ... Cited by 579 - Related articles - View as HTML - BL Direct - All 50 versions

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[PDF] Leader/Followers

DC Schmidt, CO'Ryan, M Kircher, I Pyarali, F ... - PLoP conference. http:// ... - Citeseer ... This design incurs numerous synchronizations and **context** switches to insert the request into, or remove the request from, the message **queue**. o • Multiple threads that demultiplex **events** on a shared set of **event** sources must coordinate to prevent race conditions. ... Cited by 1 - Related articles - View as HTML - All 21 versions

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[PDF] User-Kernel Reactive Threads for Linux

G Carlos Pineda, E Hugo Coyote, A Jordi Garcia - Citeseer ... it only notifies its termination to another thread which specifically must wait for that **event** and, once ... When a **context** switch is called it is not necessary to verify if the execution **gueue** is ... from

the start and input **queues** to the execution **queue**, and that operation is done when the ... Related articles - View as HTML - All 6 versions

IODINE: a tool to automatically infer dynamic invariants for hardware designs

S Hangal, N Chandra, S Narayanan, S ... - Proceedings of the ..., 2005 - portal.acm.org ... oriented towards invari- ants often encountered in current hardware design practice, especially in the **context** of microprocessors ... lyzer for **events** in the MCU write protocol. ... This invariant captures an in-order **FIFO** which **queues** physical addresses (PAs) while a write-after-read ... Cited by 15 - Related articles - All 12 versions

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A formal structure for discrete event simulation. Part II: Object-oriented software ...

K SC, M JH - IIE Transactions, 1998 - ingentaconnect.com

... ShopCntrl and WorkCenterCntrl reimplement some of the methods de®ned in their superclass within the **context** of their ... Formal structure for discrete **event** simulation: Part II 223 ... d Declare the ®le names and paths for printing the standard reports on utilization, **queue**, and order ... Cited by 1 - Related articles

[PDF] BrowseUserInfo, 343 Build Dynamic String action, 451, 452, 453 ...

C Property, C Date, D **Binding** - ACEs (access control entries) - media.wiley.com ... NET Type dialog, 155, 360 BrowseDirectories, 343 BrowseUserInfo, 343 Build **Dynamic** String action ... construct, 22–23 steps, 12–13 Executing state, 7 execution **context**, 24–25 ... and, 202 CorrelationInitializerAttribute metadata attribute and, 200–202 defined, 128 **events** of, 187 ... View as HTML - All 2 versions

wiley.com [PDF]

Applying a pattern language to develop application-level gateways

DC Schmidt - Design patterns in communications software, 2001 - books.google.com ... The gateway uses this patrern to synchronize the multi- threaded configuration of its Message **Queues**. ... For example, run-time **context** information can be used to guide implementation decisions and com ... Handler can use the Active Object patrern and handle its I/O **events** in a ... Cited by 12 - Related articles - All 15 versions

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... from implementation and evaluation of event processing and distribution of ...

A Laurentowski, K Zielinski - The Computer Journal, 2004 - Br Computer Soc ... (i) Run-time instance-level introspection of moni- tored entities (monitored objects with their attributes in the **context** of containment ... Page 7. Experiences from Implementation and Evaluation of **Event** Processing 211 ... Connector Server Notification **Queue** Connector Client ... Cited by 2 - Related articles - BL Direct - All 7 versions

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galsc: A language for event-driven embedded systems

E Cheong, J Liu - Proceedings of the conference on Design, ..., 2005 - portal.acm.org ... In galsC, all memory is statically allocated; there is no **dynamic** memory allocation. ... actor is in the scheduled **context**, and one or more other actors are in an interrupt **context**. There are two mechanisms for actors to communicate in galsC: **event queues** (ports) and guarded global ...

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SenCore: an Embedded Operating System for Wireless Sensor Networks

CH Li, HP Chang - elearning.lib.fcu.edu.tw

... This is similar to post a task by event handlers in TinyOS and deferred ISRs in Linux [4]. 2. Normal ... Consequently, in SenCore, we require only one stack in each priority queue. ... two units: one is the hardware interrupt latency and the other is the time to save the CPU context of the ...

Related articles - All 5 versions

Mapping of high-level sdl models to efficient implementations for tinyos

D Dietterle, J Ryman, K Dombrowski, R ... - ... Symposium on Digital ..., 2004 - csdl.computer.org ... depicted in Figure 2). Tasks, command and **event** handlers execute in the **context** of the ... Whenever a new signal is added to the component's **queue** and the state machine task is not ... signal to be processed, the component becomes inactive, waiting for the next **event** or command ...

Cited by 3 - Related articles - All 5 versions

An overview of the NetWare operating system

D Major, G Minshall, K Powell, I Novell - usenix.org

... it will call the ESR associated with the first work object directly, with no **context** switch ... 4) The **event queue** is the only input the mirrored server engine has from the rest of ... **Dynamics** Every **event** enqueued to the primary mirrored server engine is reliably transferred over the MSL to ...

Cited by 21 - Related articles - All 4 versions

[PDF] The design and implementation of an operating system to support distributed ...

IM Leslie, D McAuley, R Black, T Roscoe, P ... - IEEE Journal on ..., 1996 - Citeseer ... in a simple QoS specication: it reduces the overhead for the scheduler in recalculating a schedule during a context switch. ... An sdom can be in one of ve states and may be on a scheduler queue:

Queue State running running in guaranteed time ... Q b blocked awaiting an event ...

Cited by 351 - Related articles - View as HTML - BL Direct - All 20 versions

Introducing dynamic constraints in B

JR Abrial, L Mussat - Lecture Notes in Computer Science, 1998 - Springer

... The fourth proof obligation states that the variant decreases under the corresponding **event**. ... This has the effect of separating the **context** of what is to be proved "dynamically" from the initial condition which does not always hold. ... Page 15. Introducing **Dynamic** Constraints in B 97 ...

Cited by 214 - Related articles - BL Direct - All 13 versions

Intelligent dynamic scheduling system: the application of genetic algorithms

M Jahangirian, GV Conroy - Integrated Manufacturing Systems, 2000 - emeraldinsight.com ... To implement such a structure that can dynamically change the queue discipline, a combination ... Tackling the machine scheduling problem in a dynamic context was addressed in this paper ... basic single machine problem with a number of sources of dynamic events revealed that ... Cited by 29 - Related articles - BL Direct - All 3 versions

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Synthesizing operating system based device drivers in embedded systems

S Wang, S Malik - Proceedings of the 1st IEEE/ACM/IFIP ..., 2003 - portal.acm.org

... the design of the resource sharing scheme and the synthesis of an event processing mechanism ... original specC language's ability to handle the interleaved execution behavior of dynamic schedulers. ... Receive Buffer Register (RBR), is the read-point of the UART receiving FIFO. ...

Cited by 19 - Related articles - All 6 versions

Extending futex for kernel to user notification

H Bahmann, K Froitzheim - ACM SIGOPS Operating Systems ..., 2008 - portal.acm.org ... However it will likely block immediately waiting for new events (resulting in an-other context switch back to the previous thread). ... The approach fundamentally relies on the ability to "re-queue" a thread from one event flag to another without ac- tually activating it (cf. ... Related articles

Model checking agentspeak

RH Bordini, M Fisher, C Pardavila, M ... - Proceedings of the ..., 2003 - portal.acm.org ... any mo- ment in time in its belief base; X K: maximum number of pending events, ie, the maximum number entries in the event queue that an ... if check TE and Context of Plan j plan is applicable FindFreeSpace(i_data, idx); Initialise(i_data[idx]); break; Send idx to Event Selection: ... Cited by 117 - Related articles - All 14 versions

A Rule Markup Language and its application to UML

J Jacob - Lecture Notes in Computer Science, 2006 - Springer

... was chosen because it shows all the different kinds of transitions and it has dynamic object creation ... in places where rml-list and rml-use constructs are used to preserve input context in the ... the trigger that indicates the event that has to be removed from the event-queue, and then ...

Cited by 2 - Related articles - BL Direct - All 4 versions

[PDF] Performance evaluation on GlobeCon-a scalable context management ...

K Lu, D Nussbaum, JR Sack - scs.carleton.ca

... Upon the arrival of a SeM join/leave/update event, the LoCoM (2.b) will update this information with the UDS ... Three SeM's run-time parameters are set as follows: incoming queue size=5000, outgoing queue size=1000 and number of ... 7. SeM's Effectiveness for Context Delivery ... Related articles - View as HTML

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CE Cuesta, M del Pilar Romay, P de la Fuente, M ... - New Issues on ... - Citeseer ... Ideally, this context is a small or medium-sized P2P architecture, in which a number of identical ... In summary, every issued event is instantly replicated and broadcast to every peer. ... Here we assume it is an indexed queue with a FIFO model, where messages are consumed when ... Related articles - View as HTML - All 10 versions

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A Casimiro, J Kaiser, P Verissimo - Proceedings of the 1st ..., 2004 - portal.acm.org ... This is of course an overhead compared to the use of implicit knowledge, but in a dynamic environment such information is needed. ... These al- low to characterize the usefulness of the event for a certain application, in a certain context. ...

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[PDF] Unified specification of control and data flow

T Grötker, R Schoenen, H Meyr - IEEE ..., 1997 - nats-www.informatik.uni-hamburg.de ... Executing an event driven simulation in the context of an existing data flow domain does not offer a solution since the embedded event driven simulation will have ... stream event queue s: number of initial values c: number of cuts Í data driven process "Ô- event driven process ...

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Agile and scalable analysis of network events

M Fisk, G Varghese - Proceedings of the 2nd ACM SIGCOMM ..., 2002 - portal.acm.org ... we had a specific application domain in mind, the statis- tics we gather, and the context of the ... system, but provide lower-level routing that can be used in ways that most event-based systems ... An input queue, in the form of a FIFO ring of record pointers, is associated with each ... Cited by 11 - Related articles - All 10 versions

[HTML] Time-constrained programming in Windows NT environment

L Budin, L Jelenkovic - ..., 1999. ISIE'99. Proceedings of the ..., 1999 - crosbi.znanstvenici.hr ... Because this queue is a FIFO structure, one high priority task can be done after many lower priority tasks which were before in a queue. ... Times under t 1 represent average context switching time between one event generator thread and a thread waiting for processing that ... Cited by 1 - Related articles - View as HTML - All 4 versions

From distributed objects to hierarchical grid components

F Baude, D Caromel, M Morel - Lecture Notes in Computer Science, 2003 - Springer ... way to globally ma- nipulate distributed and running activities, and in this context, obviously, the ... not be processed in the "stopped" state (but it will stay in the queue). ... CCA-enabled components, in which all services (directory, registry, creation, connection, event) are themselves ... Cited by 114 - Related articles - BL Direct - All 9 versions

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... Because this queue is a FIFO structure one high priority task can be done after maybe many lower priority tasks whose were before in a queue. ... Times under t1 represent average context switching time between one event generator thread and a thread waiting for ...

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J Chow, B Pfaff, T Garfinkel, K Christopher, M ... - USENIX Security ..., 2004 - usenix.org

... Second, to avoid doing expensive hash calculations in interrupt context, the RNG stores plaintext

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keystrokes into a ... a function called to clear input events as they are removed from the input queue.

The existing code only set events' type codes to no_event, so we added a line to ...

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S Oh, Y Yi, S Jeong, Y Choi, Y Ko - Proceedings of the 24th Conference ..., 1998 - Citeseer

... These actions are inserted into the Action queue of Action scheduler ... For example, an execution of an action brings out new events and actions, but these new ... The need for such complex context-sensitive interpretation necessitates such a complicated Link processor mechanism ...

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Y Huang, J Yu, J Cao, X Ma, X Tao, J Lu - Imprint, 2009 - arxiv.org

... of the global activity, p is the upper bound of length for each **queue** in detecting ... The predicate broker accepts consis- tency constraints specified by the **context**-aware appli- cation. ... The non-checker process monitors the local predicate value based on the **Event**-Condition- Action ... View as HTML

<u>Linda in context</u> <u>psu.edu</u> [PDF]

N Carriero, D Gelernter - Communications of the ACM, 1989 - portal.acm.org

... Artificial Intelligence and LINDA IN **CONTEXT** ... Most systems classify these **events** under separate and unrelated mechanisms, but the tuple space model cov- ers them all. ... A second process that attempts to enter the monitor is automatically blocked on a monitor **queue** until the ...

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[PDF] Implementation of a Flexible Real-Time Scheduling Middleware Based on ...

MT de Esteban, TMG Harbour - Work, 2008 - ctr.unican.es

... A thread gets blocked (block) or unblocked (ready) (ie leaves and enters the ready-queue of the ... In this chapter we talk about the **context** in which this work has been made which is the ... Support for worst case execution time analysis through a discrete **event** simulator (Rapita's ...

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Performance specification using attributed grammars

R Mandayam, R Vemuri - ... of the 30th international conference on ..., 1993 - portal.acm.org ... has such an attribute, is the sum o the values of all its components that have an attribute named area ... real; attr hops of ppl is set of hop; att r inport, outport of stage, bfier is name; event attr ip ... dynamic attr obs=pd-up, obs-eff of ppl is real := 0.0; dynamic attr min-tput, max-tput of ppl ... Cited by 6 - Related articles - BL Direct - All 3 versions

Simultaneous events and lookahead in simulation protocols

V Jha, R Bagrodia - ACM Transactions on Modeling and Computer ..., 2000 - portal.acm.org ... Unless specifically noted, we assume a **dynamic** simulation model; that is, as a result of processing an ... However, to keep the proofs simple, we assume that the execution of an **event** at simulation ...

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each LP that has not been terminated at time t, together with its **queue** of pending ... Cited by 18 - Related articles - BL Direct - All 7 versions

IMPLEMENTATION OF ASSERTIONS CHECKERS IN SOFTWARE AND ...

M Forczek, K Hrynkiewicz - ... and systems 2003 (PDS 2003): a ..., 2003 - books.google.com ... The assertions dedicated for hardware models are not related with a **context** of any behavioural code execution. ... The realization of checker for e4 pattern is shown in figure 4. The **FIFO queue** provides the **event's** history data for backtracking in time. Fig. ... Related articles

Design of MOBILE MOM: Message Oriented Middleware Service for Mobile ...

DGJKJ Paek, TY Kim - doi.ieeecomputersociety.org

... In this **context**, DAD stands for Distributed Application Development and MOM stands fo Message-Oriented Middleware. ... Clients send and receive **events**, or messages, via APIs that the MOM provides. ... Asynchronous processing Yes. **Queues** and tr g- gers are required. Limited. ... All 5 versions

[PDF] Concurrent abnormal event handling mechanisms

WYR Mok - Citeseer

... A non- local jump transfers control among **dynamic** blocks. The destination (block) must ... Sections 2.3 and 2.4 are about propagating an **event**. In particular, a survey on ... also introduced. Section 2.5 looks at how propagation may aect the **context** in ... Cited by 3 - Related articles - View as HTML - All 10 versions

Runtime dynamics in collaborative systems

RR Muntz - Proceedings of the international ACM SIGGROUP ..., 1999 - portal.acm.org ... Nonetheless, research along these lines does not address the problem of runtime **context** switching when changes to poli- cies take place ... time **dynamics**. ... take :- //add a fact to the internal database add holds-floor(self), //set an alarm which posts an **event** named //reporter(IOOOO ... Related articles

[PDF] Runtime support for user-level ultra lightweight threads on massively parallel ...

W Shu - Fifth Symposium on the Frontiers of Massively Parallel ..., 1995 - Citeseer ... Since uThreads are used in the **context** of massive paral- lelization of a single application, the elimination of all ... All **events** are synchronized by message passing. ... When the message reaches the head of a scheduling **queue**, the handler is executed with the data as arguments. ... Cited by 6 - Related articles - View as HTML - All 12 versions

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... agent-based software systems Generic **Event** Notification Architecture, an application layer **event** mechanism Graphical ... In addition, this section also discusses **context** and **context**-awareness which are ... of sensory information available and form a basis for **dynamic** and implicit ...

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A Layered Approach to Simulation Communication Systems Using SIMULA

J Hauser, D Baker - MILCOM - ieeexplore.ieee.org

... The Simula code that a user of the Layerl **context** writes instantiates the object-template ... other hand, if the transmitter is idle, starting a message immedi- ately **queues** a msg_arrived_while_idle ... set externally by inputing fixed data or internally by the occurrence of **events** within the ... Cited by 1

ParaSol: a multithreaded system for parallel simulation based on mobile threads

E Mascarenhas, F Knop, V Rego - ... of the 27th conference on Winter ..., 1995 - portal.acm.org ... well-known world views: **event**-schedulznq, actauaty- scanning and process-interaction ... **dynamic** creation and destruction of threads, priority- based scheduling and **context** switching ... main contains functionality (operations on servers and **queues**) that is different from functionality ... Cited by 38 - Related articles - BL Direct - All 9 versions

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... Passive objects have no **dynamic** behavior. ... execution of state machines within an object is implemented by executing one action at a time in response to **events** on the **event queue** regardless of the ... This number is frightening in the **context** of traditional development methods. ... Cited by 1 - Related articles - View as HTML - All 2 versions

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... until derive-time, MTL ties together the protocol infrastructure through the **dynamic binding** of the ... These include the packet and packet manipulators, **context** and **context** manager, data delivery services ... some utility classes such as the state machine class and **event queue** class. ... Related articles

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AFRC Engine - Citeseer

... a se- quence of rules might be produced from a goal (back- ward chaining) or an event (forward chaining ... of that user and its activ- ity will be performed by that user; if the **context** is an ... Within a **queue**, the rule instances would be executed according to the usual **FIFO** scheme. ...

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... Since C++ objects are reg- istered with the Reactor (as opposed to stand-alone sub- routines), any **context** information associated ... teristics of the three platform-independent classes in the Reactor: the ACE Time Value, ACE Timer **Queue**, and ACE **Event** Handler classes: ... Related articles - View as HTML - All 19 versions

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... 4 Page 5. 3. removing a part of the graph (that can be mapped to the '\$ but not the £\$ graph (yielding the context graph), 4. gluing £ and the context graph, and obtaining the derived model (10 . a1:Automata ... Each event queue is modeled by a ... The ordering of events in FIFO ... Related articles - View as HTML - All 7 versions

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DC Schmidt, TH Harrison, E Al-Shaer - Proceedings of the, 1995 - Citeseer ... preservation problem stems from operating system and protocol processing overhead (such as data movement, **context** switching, and synchro ... Results below for 8k socket **queue** ... The server-side used the CORBA impl is ready **event** loop to demultiplex incoming requests to the ... <u>Cited by 126 - Related articles - View as HTML - All 35 versions</u>

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CY Chang, TY Wu, CC Huang, AJW ... - Journal of Internet ..., 2007 - hcc.dormv6.niu.edu.tw ... can decompress the compresses header, the compressor only need to send the **Context** ID with ... 3 types (realtime, non-realtime and general) and then put them in 3 queues. ... but not limited to diffraction optics, applied optical systems design, discrete event simulation processes. ... Related articles - View as HTML - All 4 versions

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ML-DEWS: Modeling language to support dynamic evolution within workflow ...

C Ellis, K Keddara - Computer Supported Cooperative Work (CSCW), 2000 - Springer ... Execution objects are also contextual objects; the **context**, here, is taken to be the case within which objects are created. ... Many implementation details have been left out; eg priority **queues** are used to select which **events** are delivered to which transitions. ... 6. The **event** model ... Cited by 42 - Related articles - BL Direct - All 4 versions

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IPDFI Taming heterogeneity - the Ptolemy approach

J Eker, JW Janneck, EA Lee, J Liu, X Liu, J ... - Proceedings of the ..., 2003 - Citeseer ... equations (ODEs) and differential algebraic equations, have been used for modeling mechanical dynamics, analog circuits ... Factoring this functionality out of the actors into a common coordinating context has two important ... The execution of this model uses a global event queue. ... Cited by 282 - Related articles - View as HTML - BL Direct - All 30 versions

Integrating Non-Compliant Providers of Dynamic Services into a Resource ...

R Longobardi - 2008 - freepatentsonline.com

... about which WMI provider 230 to contact for **dynamic** data or **event** notifications is ... is reset to the expiration time of the new first record to be extracted from the **FIFO queue**. ... Particularly, parameters (including **context** information typical of the WMI architecture) passed to the bridge ...

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[PDF] Cayuga: A general purpose event monitoring system

A Demers, J Gehrke, B Panda, M Riedewald, V Sharma ... - Proc. CIDR, 2007 - Citeseer

... Intuitively, each intermediate state with a filter edge but no re- bind edge implements a NEXT construct ... be consistent with the notion of a filter predicate in CEL formula- tions, in the context of automaton ... For any automaton instance I under state P, if the current event together with ... Cited by 80 - Related articles - View as HTML - All 17 versions

A grammar-based methodology for protocol specification and implementation

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DP Anderson, LH Landweber - ... of the ninth symposium on Data ..., 1985 - portal.acm.org ... protocols. An RTAG specification is based on an underlying **context-** ... output **event** represented by an output symbol is performed only when ... find the closest ancestor named sVm 1 of the symbol instance serving as the LHS of this production; find the leftmost of ils children named ... Cited by 21 - Related articles - All 8 versions

queue and event and context and

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